

DUAL HDD NAS Enclosure User's Manual

(IDE & SATA HDD Version)

Before you begin

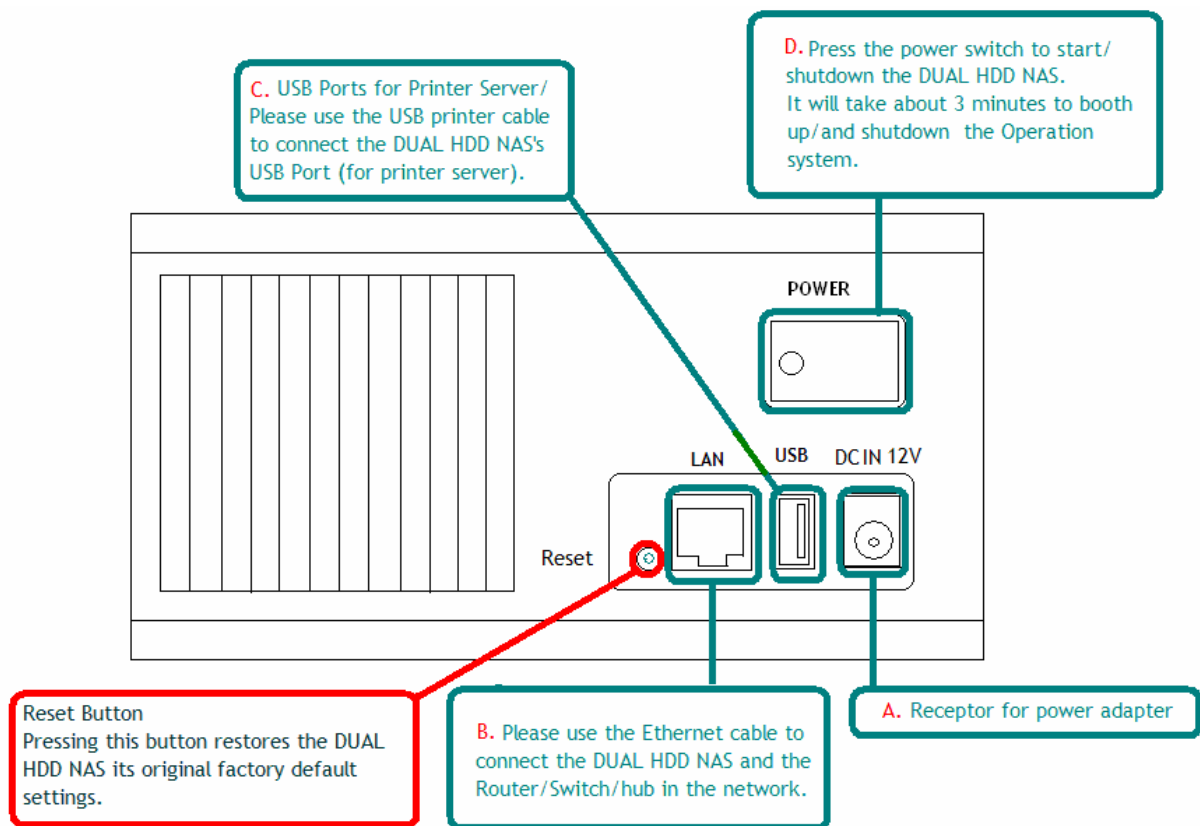
1. If you purchased this storage to share your file or media with other computers, you must use an Ethernet cable with a properly configured Internet environment.
2. For optimal security and convenience, we recommend designating a single computer to handle all DUAL HDD NAS configuration settings.

Check your package content

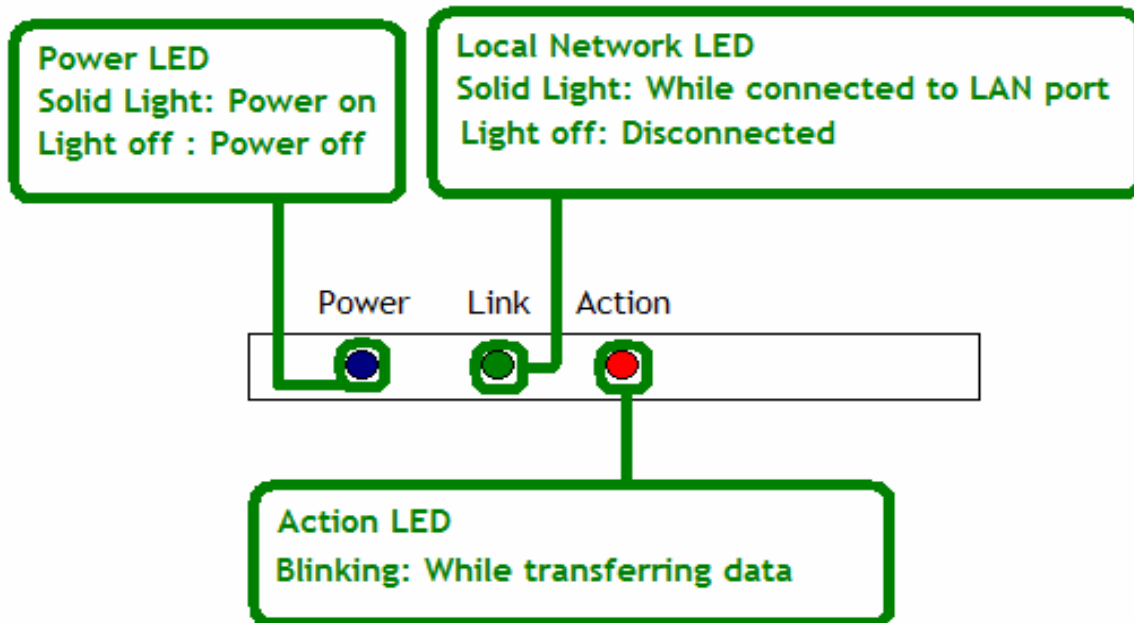
- DUAL HDD NAS (Network Attached Storage)
- CD-ROM (Containing Setup software & Quick install manual)
- Ethernet (CAT5 UTP/Straight Through) cable
- 12V/4A DC Power Adapter

Connect the DUAL HDD NAS to Network

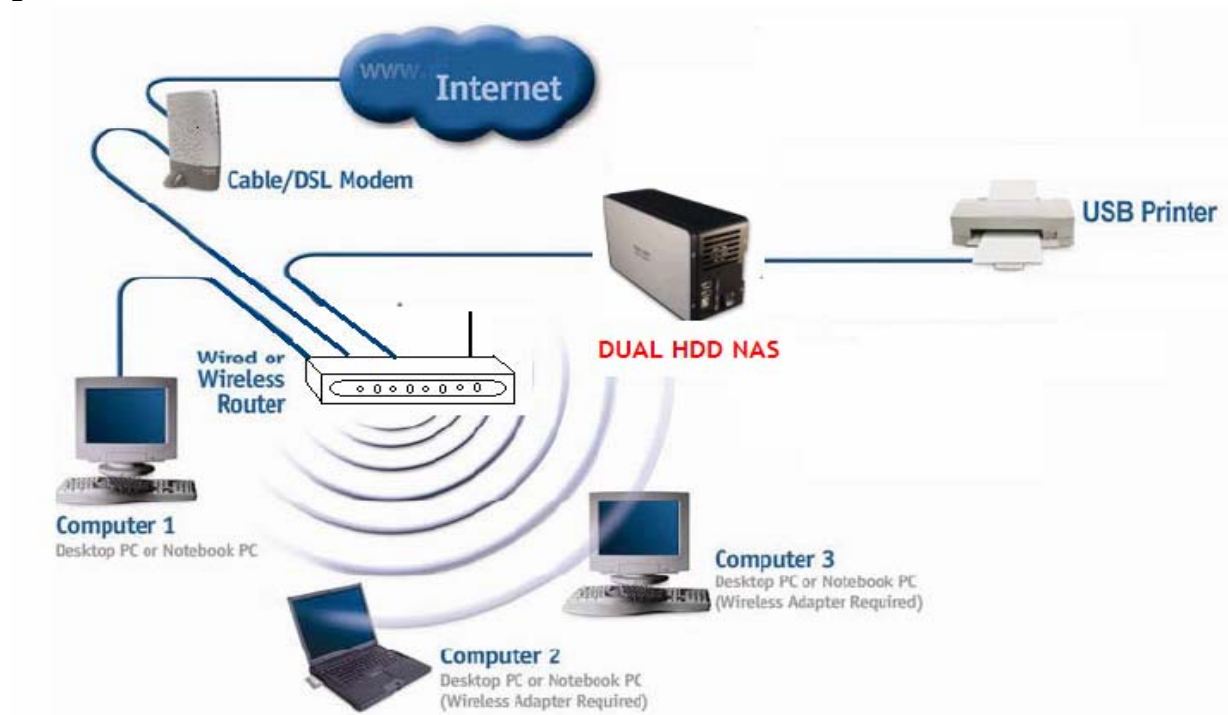
- A ∙ First, connect the power adapter to the receptor at the back panel of the DUAL HDD NAS and then plug the other end of the power adapter to a wall outlet or power strip. Turn on the power switch; the Power LED will turn ON to indicate proper operation.
- B ∙ Insert an Ethernet cable to LAN port on the back of the DUAL HDD NAS and an available Ethernet port on the network adapter in the router/switch/hub you will use to connect to the DNS-300. The LED light for Link Port will illuminate to indicate proper connection.
-Please use a straight-through cable to the LAN port.
-Please make sure that your Local Area Network is already working properly.
- C ∙ USB ports can connect to USB printer, by connecting printer DUAL HDD NAS will become a printer server.
- D. Press the power switch to start or shut down the DUAL HDD NAS. It will take about 3 minutes to booth up/ shutdown the operation system.



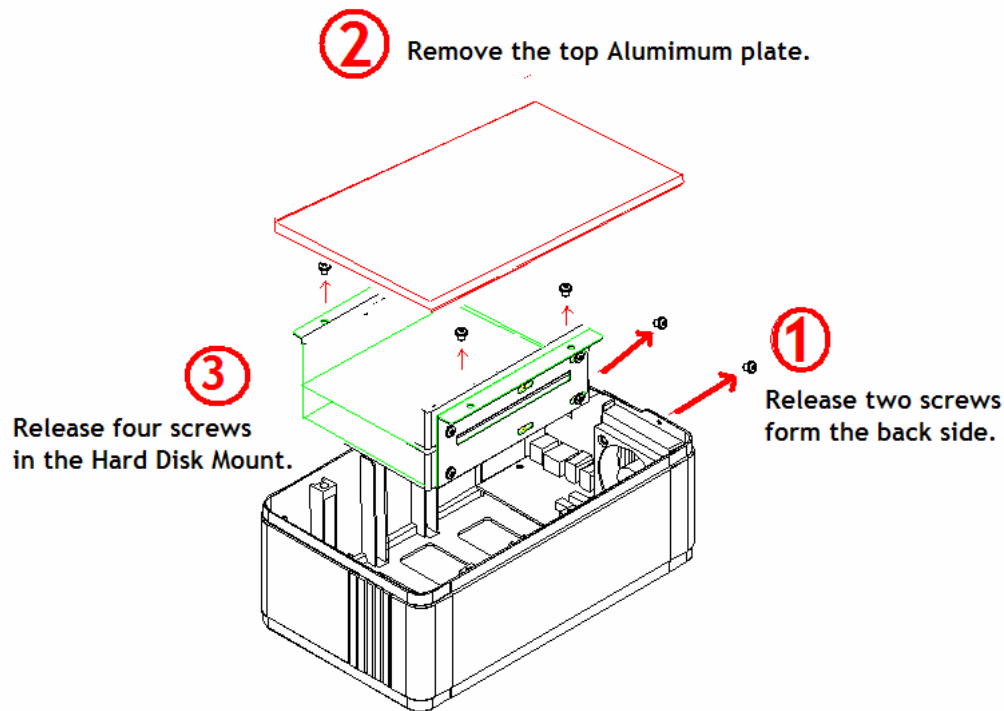
The descriptions of LEDs

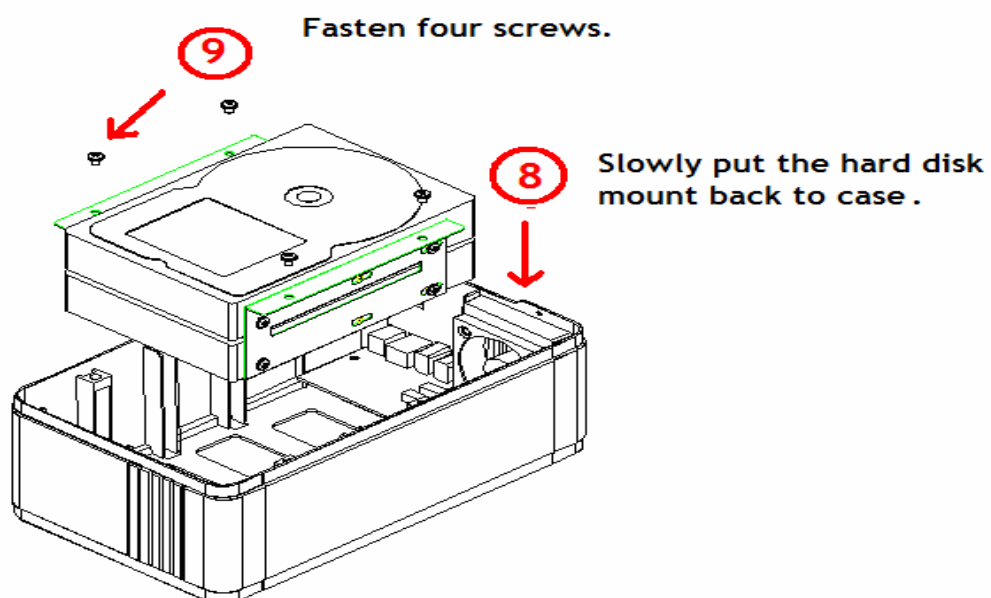
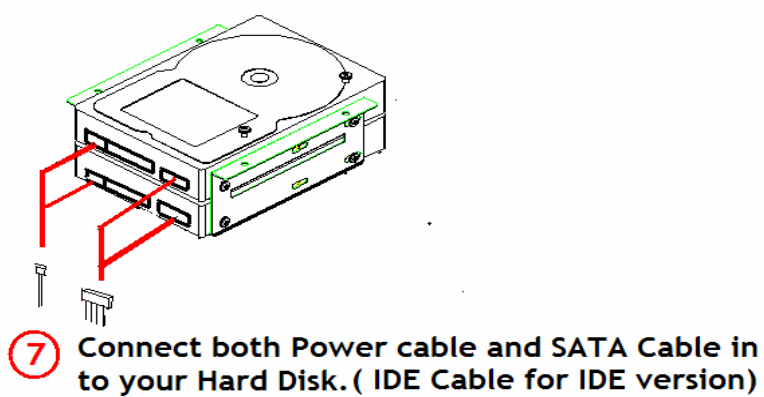
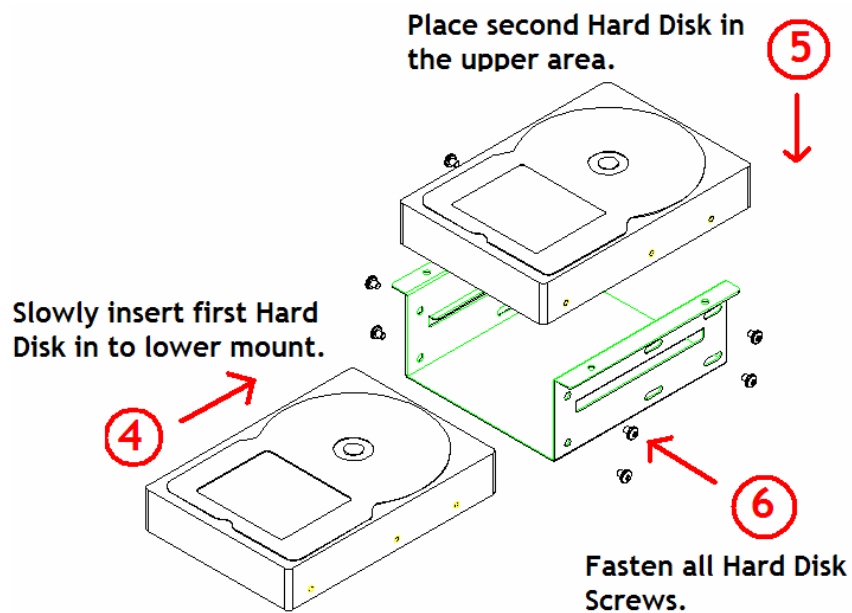


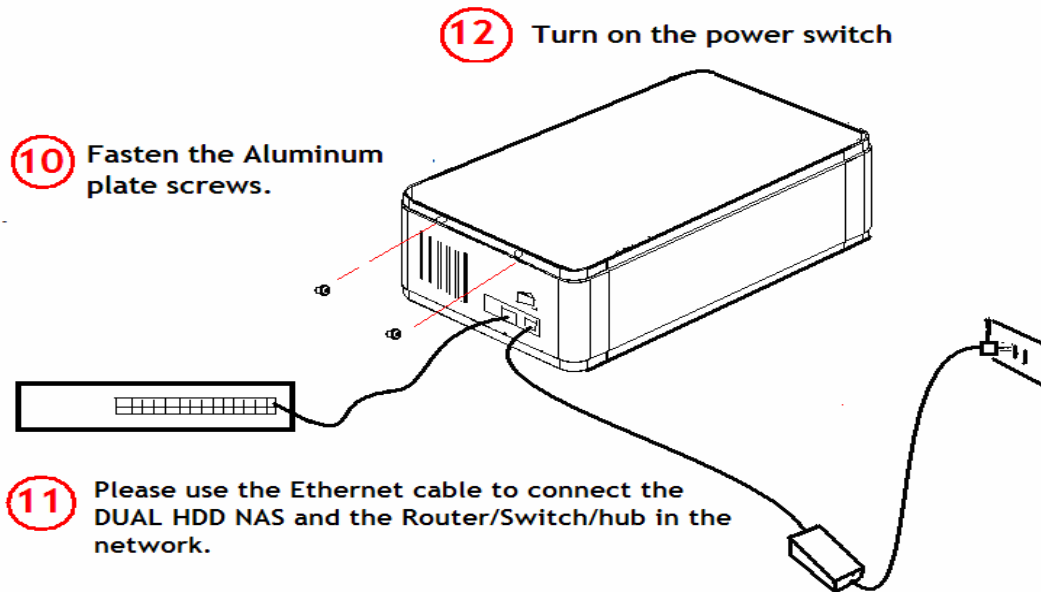
When you have completed the steps in this *Quick installation Guide*, your connected network should look similar to this:



Setting Up the Hard Disk Drive







Configure DUAL HDD NAS setting by Setup Utility.

DUAL HDD NAS factory default gets an IP address through DHCP protocol. If your network has DHCP server, DUAL HDD NAS will try to obtain an IP address from the network it connects to when it power on.

If there is no DHCP server in your network, after DUAL HDD NAS fail getting an IP address, the default IP address of 192.168.1.1 will be set, and DHCP server will start automatically.

Step1. Install the Setup Utility on your computer by inserting the DUAL HDD NAS CD-ROM in your CD drive and copy the "SetupUtil.exe" in to your computer desktop.

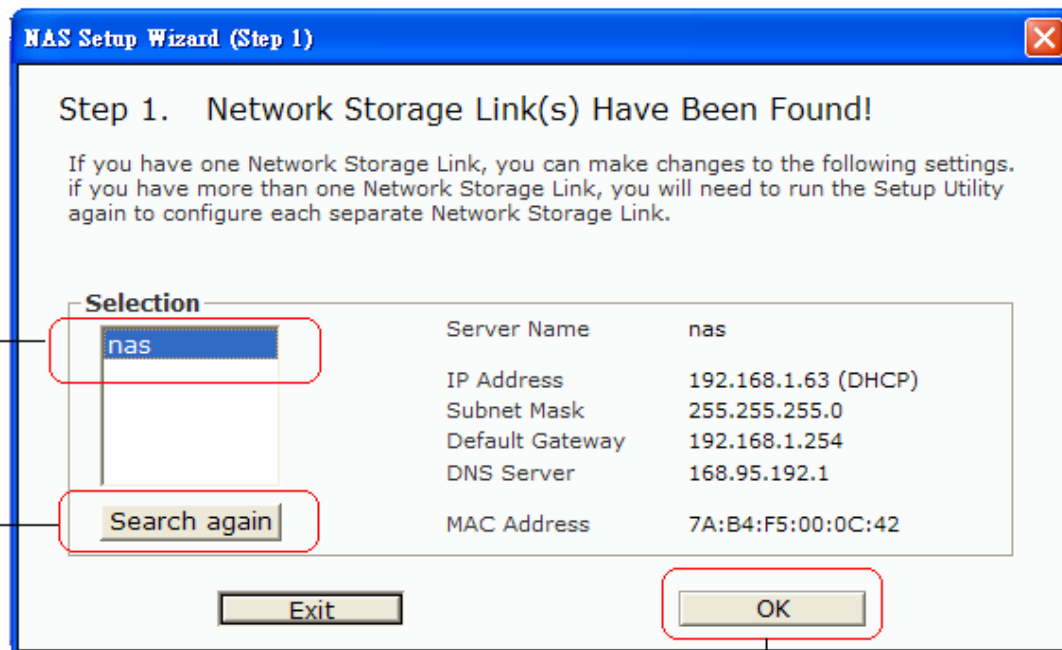


Step2. Setup utility will locate all DUAL HDD NAS on the network. Click "Setup" to start looking for DUAL HDD NAS in your Network.



Step3. Click "OK" to Change enter IP configuration settings.

**Double click the "nas"
to enter GUI setup.**



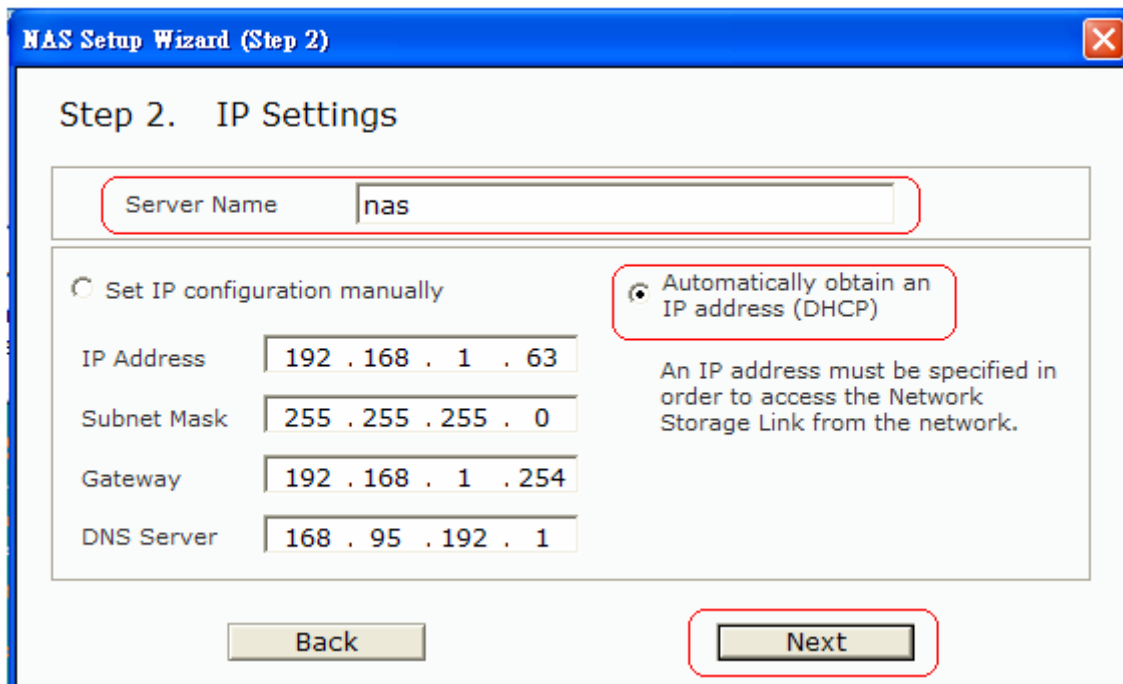
**Click "Search again"
if no device were found.**

Click "OK" to Change IP setting

Step4. Enter "admin", then Click "OK"



Step5. "Automatically obtain an IP address" will be suggested if DHCP server on the network. Otherwise, select "set IP address configuration manually", then click "Next" to continue.



The screenshot shows the 'NAS Setup Wizard (Step 2)' window. The title bar is blue with the text 'NAS Setup Wizard (Step 2)' and a close button. The main area is titled 'Step 2. IP Settings'. At the top, there is a text box for 'Server Name' containing the value 'nas'. Below this, there are two radio button options: 'Set IP configuration manually' (which is unselected) and 'Automatically obtain an IP address (DHCP)' (which is selected). To the right of the DHCP option, there is a note: 'An IP address must be specified in order to access the Network Storage Link from the network.' Below the radio buttons, there are four text boxes for manual configuration: 'IP Address' (192 . 168 . 1 . 63), 'Subnet Mask' (255 . 255 . 255 . 0), 'Gateway' (192 . 168 . 1 . 254), and 'DNS Server' (168 . 95 . 192 . 1). At the bottom, there are two buttons: 'Back' and 'Next'. The 'Next' button is highlighted with a red rectangle.

NAS Setup Wizard (Step 2)

Step 2. IP Settings

Server Name: nas

☐ Set IP configuration manually

☒ Automatically obtain an IP address (DHCP)

An IP address must be specified in order to access the Network Storage Link from the network.

IP Address: 192 . 168 . 1 . 63

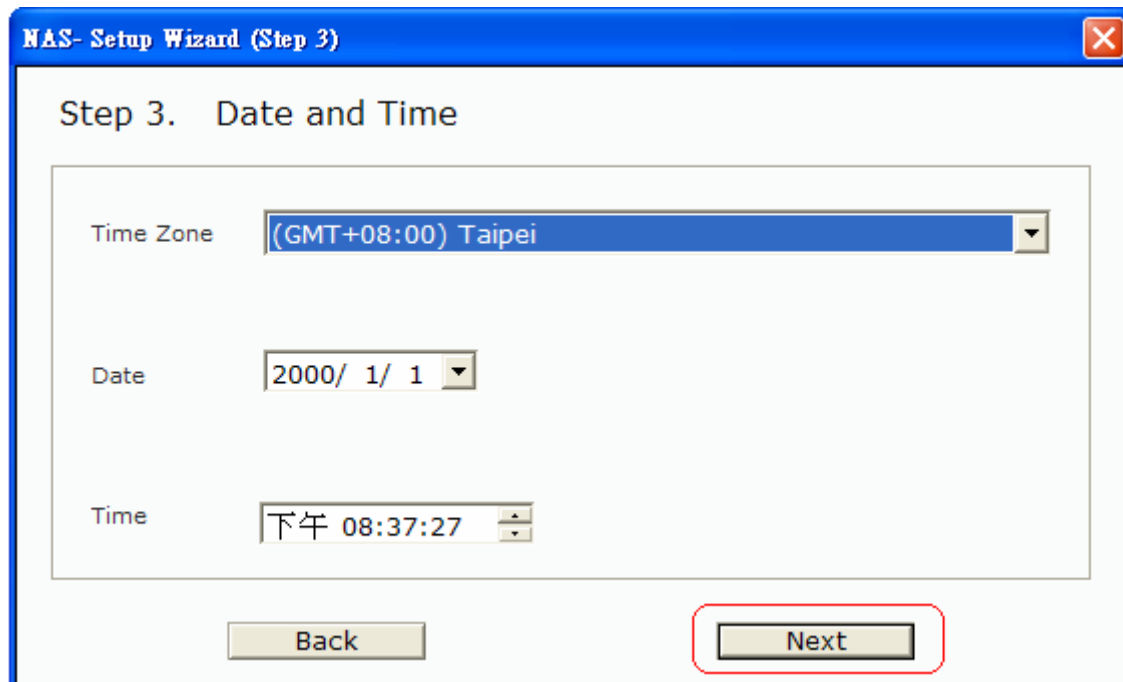
Subnet Mask: 255 . 255 . 255 . 0

Gateway: 192 . 168 . 1 . 254

DNS Server: 168 . 95 . 192 . 1

Back Next

Step6. Set time zone, current Date and Time.



The screenshot shows the 'NAS Setup Wizard (Step 3)' window. The title bar is blue with the text 'NAS Setup Wizard (Step 3)' and a close button. The main area is titled 'Step 3. Date and Time'. It contains three fields: 'Time Zone' with a dropdown menu showing '(GMT+08:00) Taipei', 'Date' with a dropdown menu showing '2000/ 1/ 1', and 'Time' with a dropdown menu showing '下午 08:37:27'. At the bottom, there are two buttons: 'Back' and 'Next'. The 'Next' button is highlighted with a red rectangle.

NAS Setup Wizard (Step 3)

Step 3. Date and Time

Time Zone: (GMT+08:00) Taipei

Date: 2000/ 1/ 1

Time: 下午 08:37:27

Back Next

Step7. Your old and new setting will be shown on screen, if new setting is correct then click "Save" to save the Configuration to DUAL HDD NAS.

	Old Settings	New Settings
Server Name	nas	nas
IP Address	192.168.1.63	192.168.1.63
Subnet Mask	255.255.255.0	255.255.255.0
Default Gateway	192.168.1.254	192.168.1.254
IP Status	DHCP	DHCP
Date	2000/01/01	2000/01/01
Time	20:37:27	20:37:27

Back Save

Step 8. Double click "nas" to Enter Web UI of DUAL HDD NAS.

Double click the "nas" to enter GUI setup.

Selection

Selection	Server Name
nas	nas
	IP Address 192.168.1.63 (DHCP)
	Subnet Mask 255.255.255.0
	Default Gateway 192.168.1.254
	DNS Server 168.95.192.1
	MAC Address 7A:B4:F5:00:0C:42

Search again Exit OK

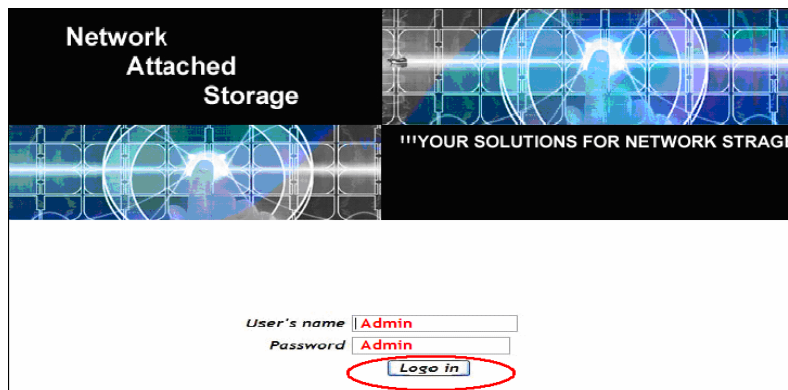
Click "Search again" if no device were found.

Click "OK" to Change IP setting

Note: Alternatively, you could also simply write down the IP address in the first step of the setup wizard and then access the web configuration interface via your web browser. Input the IP address in the URL field of your web browser, hit the Enter key, enter admin for the username, once more admin for the password and then login. You can now use the setup wizard online or configure the individual settings yourself.

Configure DUAL HDD NAS setting by WEB UI

Step1. Input the User's name and password in the login page, "Admin" was the user's name and password by default; change security privilege is recommended.



The image shows the login page of a Network Attached Storage (NAS) device. The header features the text "Network Attached Storage" and a slogan "YOUR SOLUTIONS FOR NETWORK STRAGE". Below the header, there are two input fields: "User's name" with the value "Admin" and "Password" with the value "Admin". A red circle highlights the "Login" button.

Hard Disk setup (Format/RAID)

HDD will be detected whether installed or not by system automatically. If the new non-formatted HDD was found, format will be suggested by the pop up window, and the system will restart after format completed automatically. If the used HDD was founded, the system will get user user's information form the HDD.

Step1. Click "Control Panel"

Setp2. Select "Maintenance"

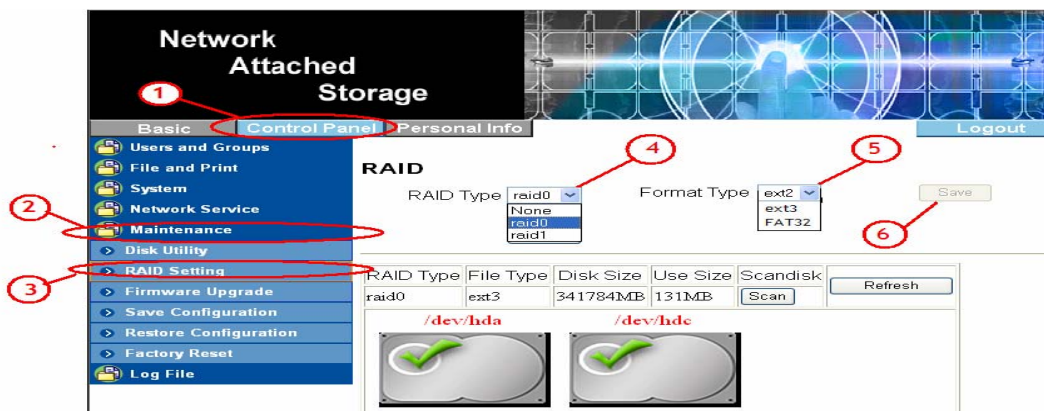
Step3. Select "RAID Setting"

Step4. Select "RAID Type" (None, RAID 0, RAID 1)

If data redundancy is your primary concern, choose RAID 1. If capacity is your primary concern, choose RAID 0.

Step5. Select HDD format type.(EXT2, EXT3, FAT32)

Step6. Click "Save" to start formatting.



The image shows the RAID configuration page of a Network Attached Storage (NAS) device. The page has a sidebar with a menu and a main content area. The sidebar menu includes "Basic", "Control Panel", "Personal Info", "Users and Groups", "File and Print", "System", "Network Service", "Maintenance", "Disk Utility", "RAID Setting", "Firmware Upgrade", "Save Configuration", "Restore Configuration", "Factory Reset", and "Log File". The "Control Panel" tab is selected. The main content area is titled "RAID" and contains the following fields: "RAID Type" (dropdown menu with options: None, raid0, raid1), "Format Type" (dropdown menu with options: ext2, ext3, FAT32), and a "Save" button. Below these fields, there is a table showing the RAID configuration details:

RAID Type	File Type	Disk Size	Use Size	Scandisk
raid0	ext3	341784MB	131MB	Scan

Below the table, there are two disk icons labeled "/dev/hda" and "/dev/hdc", each with a green checkmark indicating they are successfully configured.

Note: Building a RAID array may take a prolonged period of time, depending on the size of hard drives and RAID mode.

Interface language setup

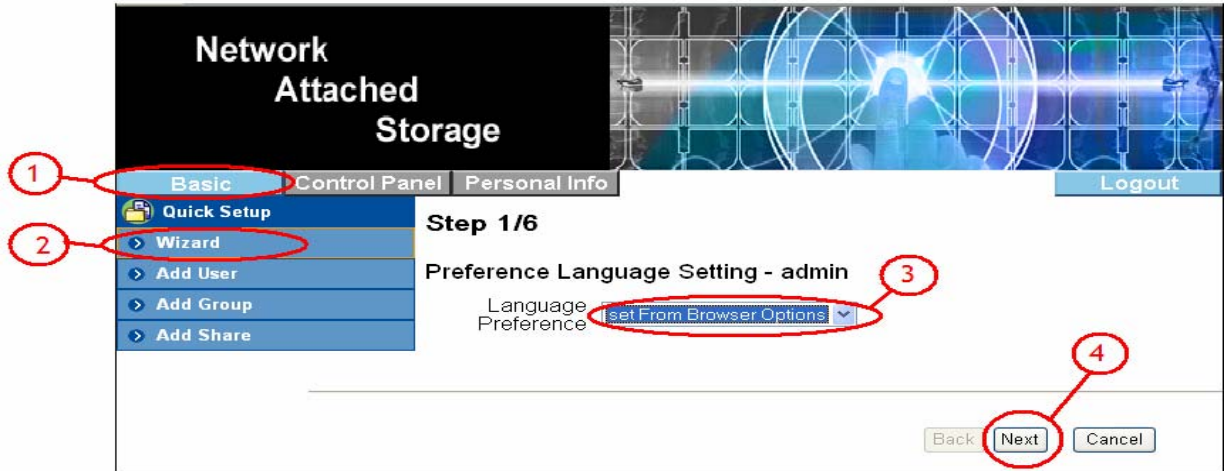
Step1. Click "Basic"

Step2. Select "Wizard"

Step3. Select "Language" (English/ Chinese only)

User can choose from either English or Chinese for the Web UI.

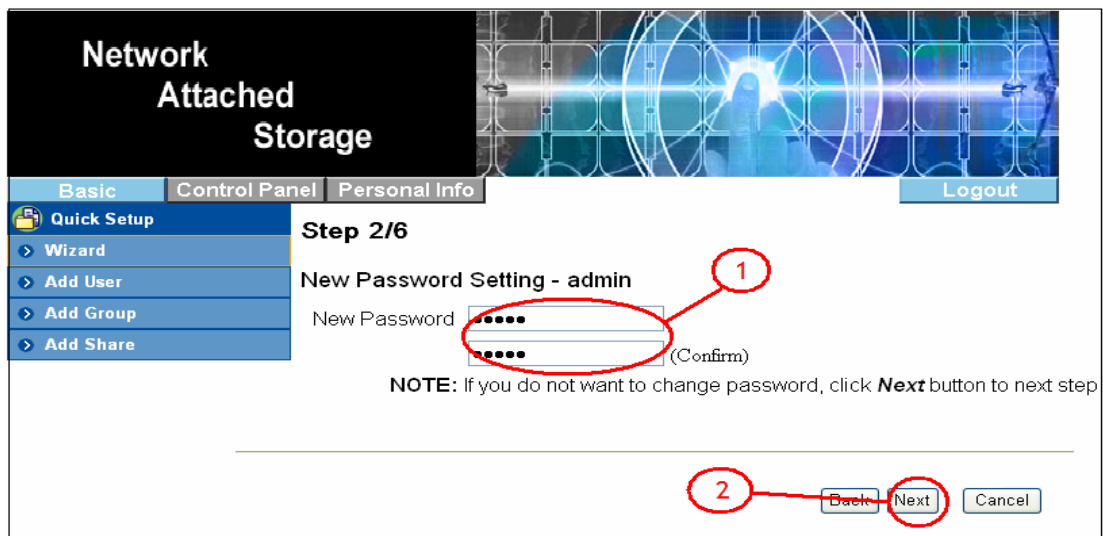
Step4. Click "Next" to continue.



Change Admin Password

Step1. Enter new password for DUAL HDD NAS administration.

Step2. Click "Next" to continue.



Change Host name

Step1. Enter new host name for DUAL HDD NAS.

The host name is the name by which windows machines access this server.

Step2. Click "Next" to continue.

The screenshot shows the 'Network Attached Storage' configuration window. The left sidebar has a 'Quick Setup' menu with options: Wizard, Add User, Add Group, and Add Share. The main area is titled 'Step 3/6 Hostname Setting'. It features a text input field labeled 'Hostname' with the value 'nas' entered. A red circle with the number '1' is drawn around this input field. Below the field is a note: 'NOTE: The **Hostname** is the name by which Windows machines access this server.' At the bottom right, there are three buttons: 'Back', 'Next', and 'Cancel'. A red circle with the number '2' is drawn around the 'Next' button.

Internet Protocol Setting

DUAL HDD NAS factory default gets an IP address through DHCP protocol.

If your network has DHCP server, DUAL HDD NAS will try to obtain an IP address form the network it connects to when it power on.

If there is no DHCP server in your network, after DUAL HDD NAS fail getting an IP address, the default IP address of 192.168.1.1 will be set, and DHCP server will start automatically. Click "Next" to continue.

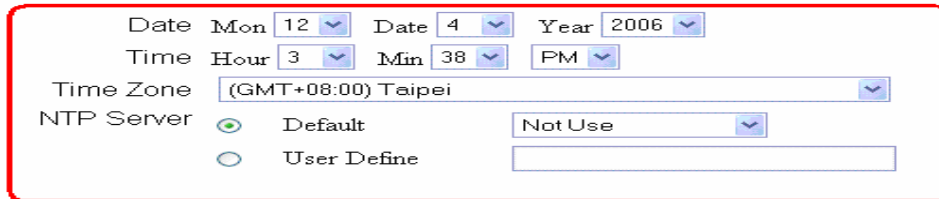
The screenshot shows the 'Network Attached Storage' configuration window at 'Step 4/6 Internet Protocol Setting'. The left sidebar is the same as in the previous step. The main area has two sections. The first section is 'IP Address' with two radio buttons: 'Obtain IP Address automatically' (unselected) and 'Use following IP Address' (selected). Below this are three rows of input fields: 'IP Address' (192, 168, 1, 55), 'Subnet Mask' (255, 255, 255, 0), and 'Default Gateway' (192, 168, 1, 1). The second section is 'DNS Server' with two radio buttons: 'Obtain DNS Server Address automatically' (unselected) and 'Use following DNS Server Address' (selected). Below this are two rows of input fields: 'Primary' (192, 168, 1, 1) and 'Secondary' (168, 95, 192, 1). At the bottom right, there are three buttons: 'Back', 'Next', and 'Cancel'. A red circle with the number '1' is drawn around the 'Next' button.

Time setting

Step1. Set time zone, current Date and Time form screen.

Step2. Click next to Continue.

Time Settings



The Time Settings form contains the following fields:

- Date: Mon 12, Date 4, Year 2006
- Time: Hour 3, Min 38, PM
- Time Zone: (GMT+08:00) Taipei
- NTP Server: ☒ Default (Not Use), ☐ User Define

A red box labeled '1' encloses the entire form area.

2

Back Next Cancel

Step3. Click Complete to finish Configuration.

Hostname	nas	nas555
IP Address	Use Following Address	
	IP Address	192.168.1.55
	Subnet Mask	255.255.255.0
	Default Gateway	192.168.1.1
DNS Server	Use Following Address	
	Primary	192.168.1.1
	Secondary	168.95.192.1
	Others	168.95.1.1
Date and Time	12/ 4/2006 3:38 PM	12/ 4/2006 3:38 PM
Time Zone	Taipei	Taipei
NTP Server	none	none

3

Back Complete Cancel

SAMBA Server setup page

SAMBA server allows user to share data or files through LAN envelopment. At first you need to create a new user/folder in to your network.

Create new user/folder

Step1. Click "Basic"

Step2. Select "Quick setup" than "Add user"

Step3. Enter the user name you wish to add in to, (e.g. test) than enter password twice to reconfirm. User can create a private folder to share on SAMBA/ and FTP server.

Step4. Click "next" to continue.

Network Attached Storage

Basic Control Panel Personal Info Logout

Quick Setup

- Wizard
- Add User
- Add Group
- Add Share

User Name: test

Password: (Confirm)

Description (optional):

☒ Create Private Folder (Share)

Private Folder (Share) Location: /mnt/IDE3

☐ Enable Quota of MB

Back Next

- Recommended user to create a provide folder to share date form the network.
- Enable quota is to limit the HDD capacity for each user.

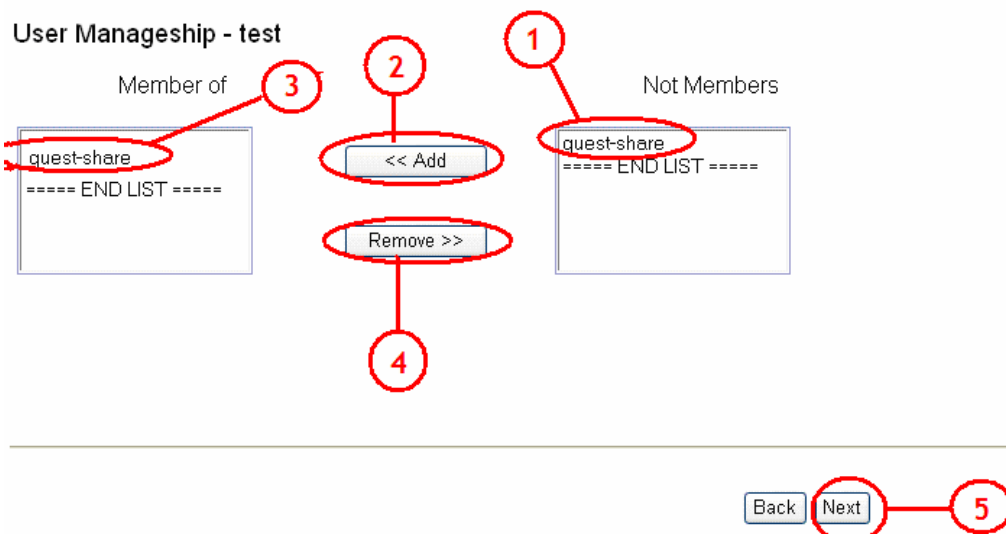
Add user in to Group member

Step1. Select Group you want to be add

Step2. Click "Add" to adding user to the group member.

Step3/4. Select Group name you wish to remove than click "Remove" to cancel the setting.

Step5. Click "next" to continue.

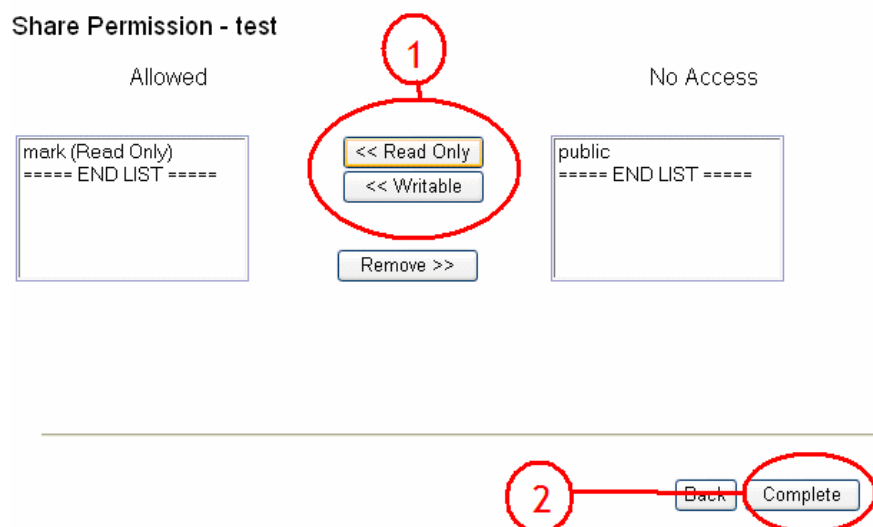


- Group name "Guest-share" is a factory default setting which can not be cancelled.

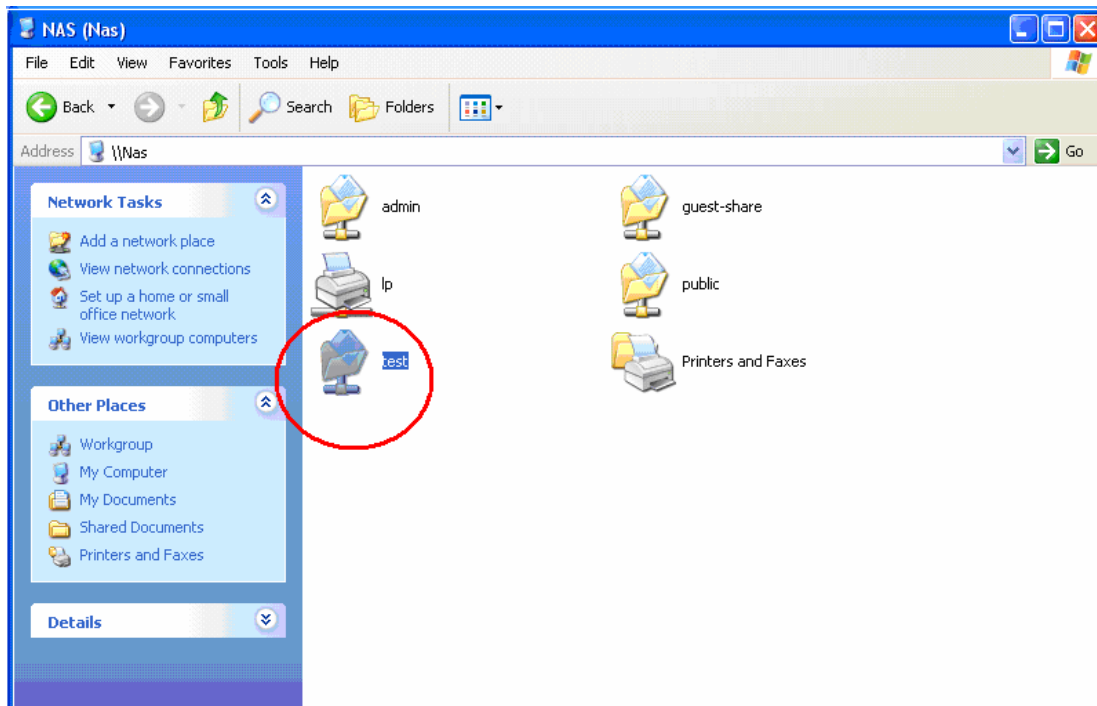
Share Permission for the user

Step1. Chose either "Read only" or "Writeable" for the user you selected.

Step2. Click "Complete" to quit user setup.



- After adding new user, browse the "My network place" you should found a folder (e.g.test) appear in your network.



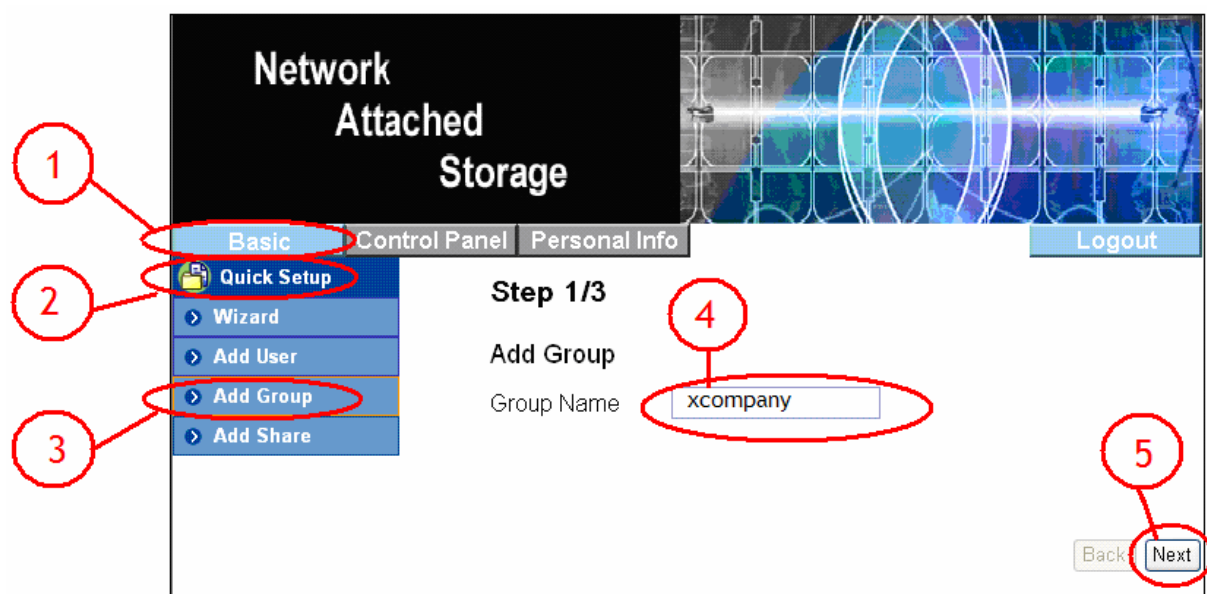
Adding new group

Step1. Click "Basic"

Step2/3. Select "Quick setup", then "Add Group"

Step4. Enter the Group name you wish to add in to, (e.g. Xcompany)

Step5. Click "next" to continue.



Add new Group in to Group member

Step1. Select group you want to be added.

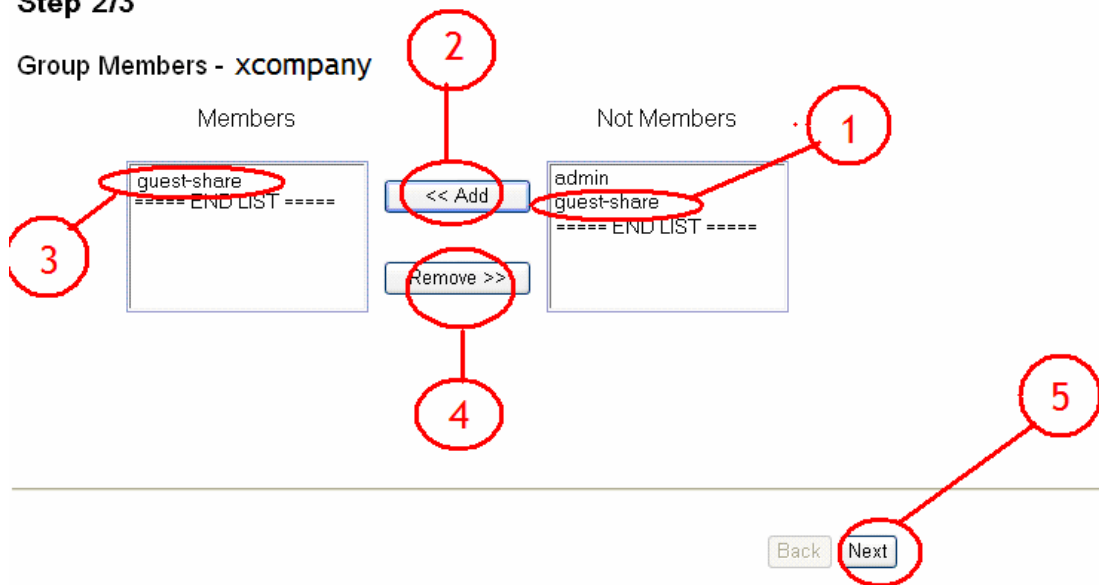
Step2. Click "Add" to adding user to the group member.

Step3&4. Select Group name you wish to remove, then click "Remove" to cancel the setting.

Step5. Click "next" to continue.

Step 2/3

Group Members - xcompany



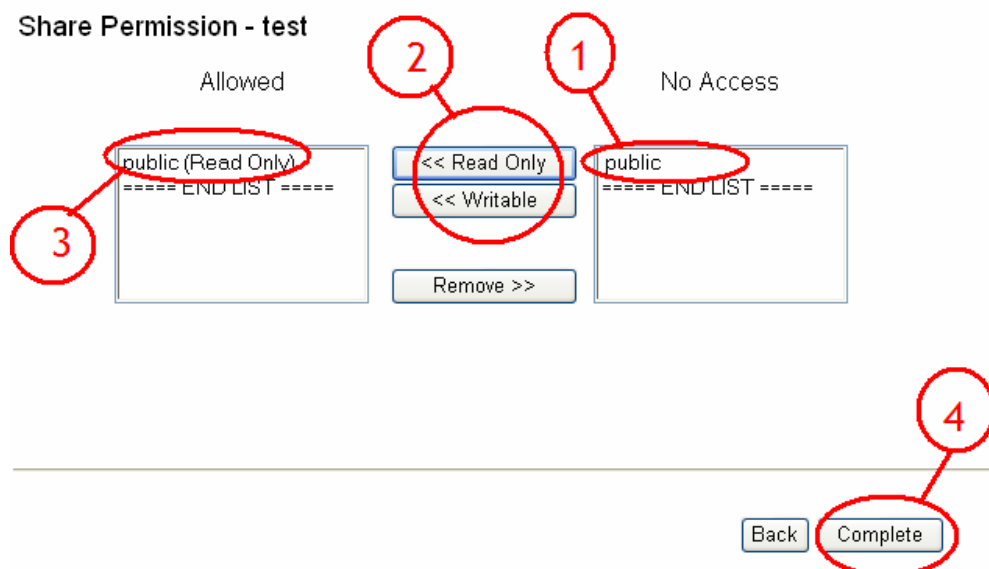
Share Permission for the Group

Step1. Chose either "Read only" or "Writeable" for the user you selected.

Step2. Click "Complete" to quit Group setup.

Step 3/3

Share Permission - test



- After adding new group, a new group name will be shown form the list.

Step 2/3

User Manageship - test

Member of		Not Members
===== END LIST =====	<input type="button" value=" << Add"/>	<div>quest-share xxxxcompany ===== END LIST =====</div>
	<input type="button" value=" Remove >>"/>	

FTP Server setup page

User can share data from DUAL HDD NAS through internet by setting FTP share folder.

Step1. Click "Basic setting"

Step2. Click "Quick setup"

Step3. Click "Add Share"

Step4. Create a folder name you want to share. (e.g.XFTP)

Step5. Click "Next" to continue.

Network Attached Storage

Basic Control Panel Personal Info Logout

Quick Setup

Wizard

Add User

Add Group

Add Share

Step 1/3

Add Share

Share Name XFTP

Path

Description (Optional)

Back Next

Step1. Select the user you wish to give permission to download the data form folder.
(e.g.test)

Step2. Chose either "Read only" or "Writable" for the user you selected.

Step3/4. Showing how to remove the user.

Step5. Click "next" when finished.

Step 2/3

Windows, FTP Access - tim

☐ Allow for all

Allowed

test

===== END LIST =====

1

2

3

4

<< Read Only

<< Writable

Remove >>

No Access

test

@guest-share

===== END LIST =====

The ones started with @ are groups.

Back

Next

Step6. Click "Complete" to finish FTP setup

Step 3/3

NFS Access

☐ Allow for all

Allowed IP/Subnet

===== END LIST =====

Add

Remove

☒ IP Address

☐ Subnet

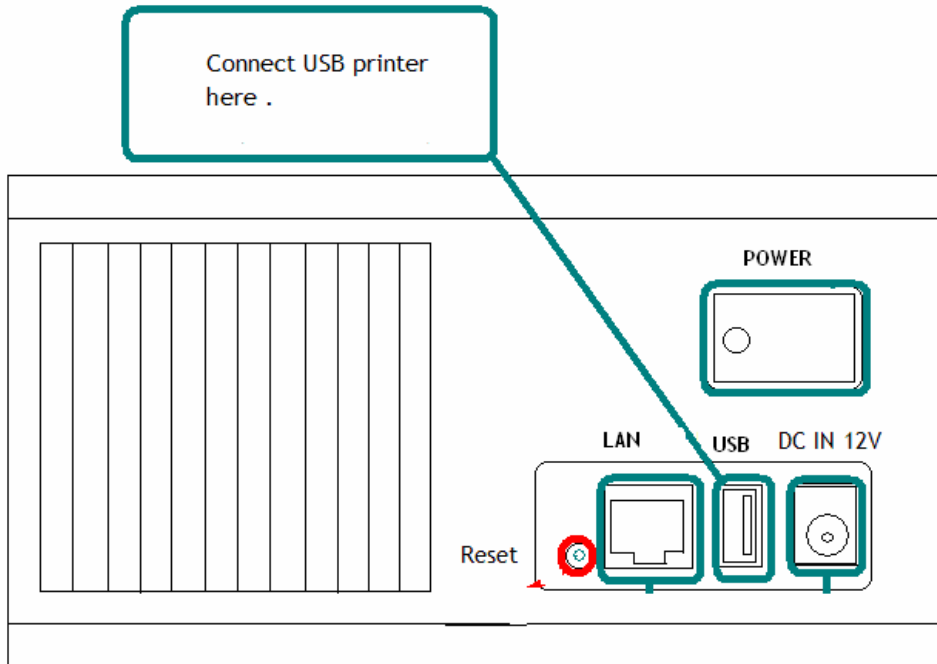
Back

Complete

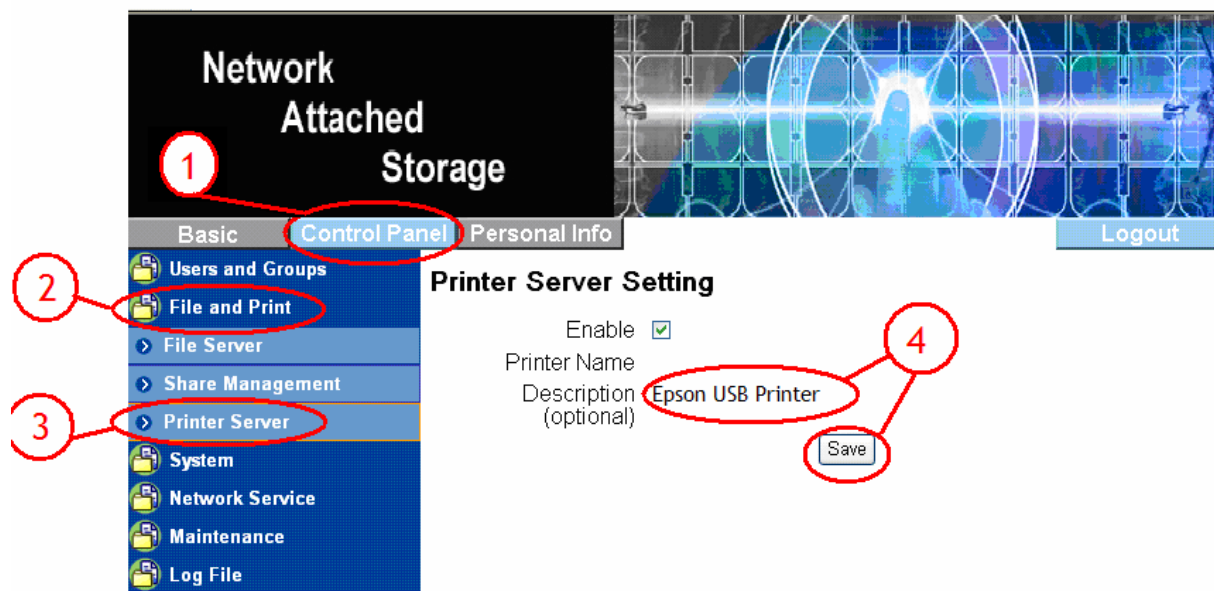
Printer Server setup page

Dual HDD NAS support most of major brand of printers, user can share printer resource form the network. Simply follow the steps below:

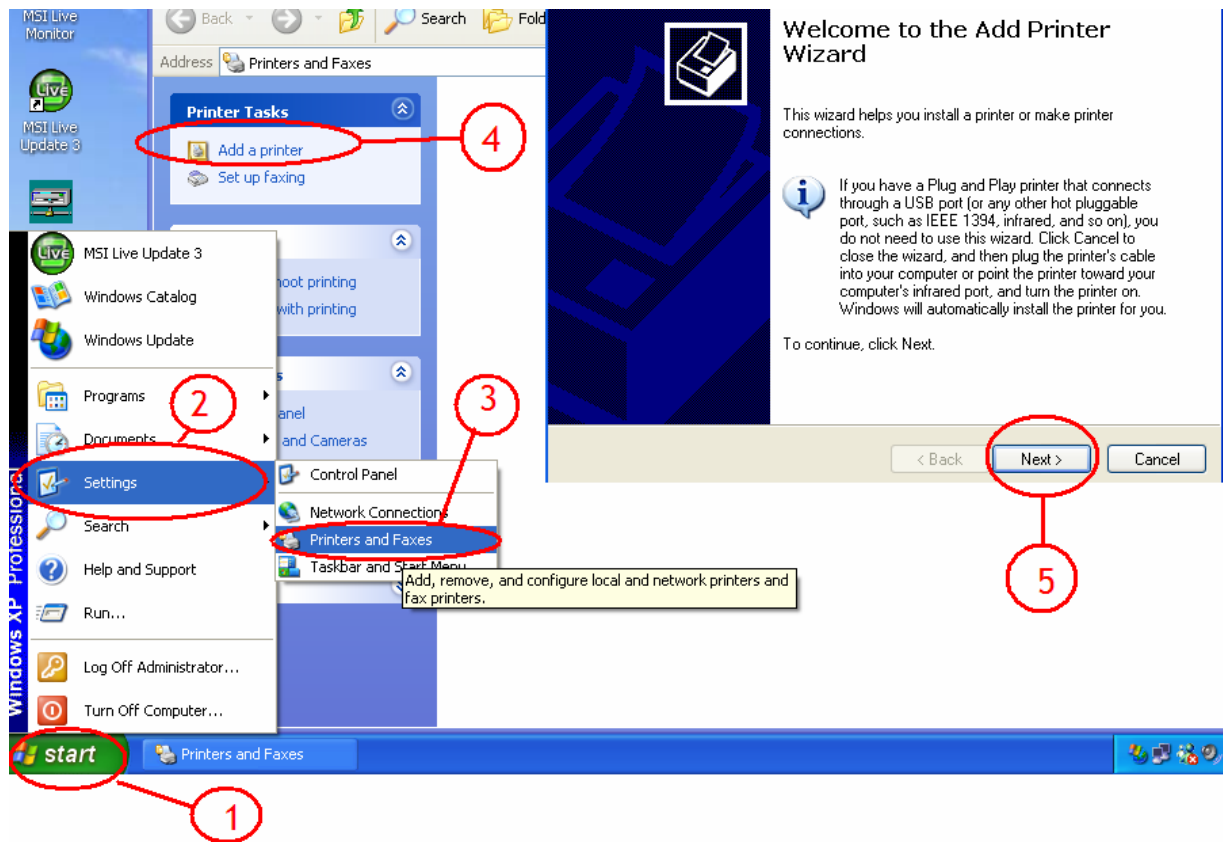
Step1. Power on and connect your USB printer in to your DUAL HDD NAS.



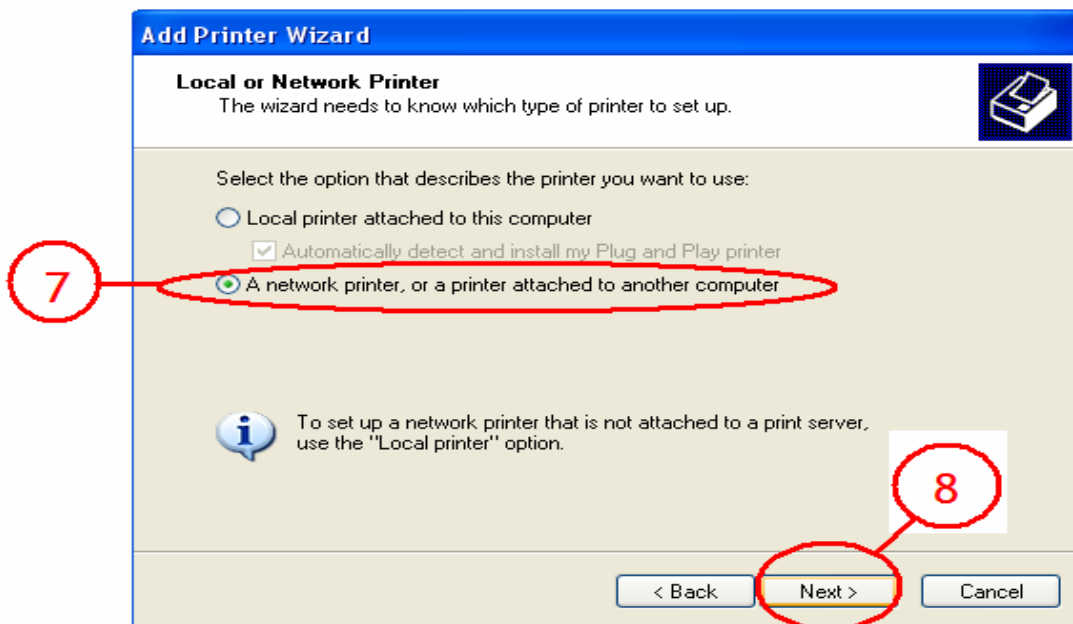
Step2. Browse the Web UI and see whether the printer has been detect the by DUAL HDD NAS. Please refer to photo below.



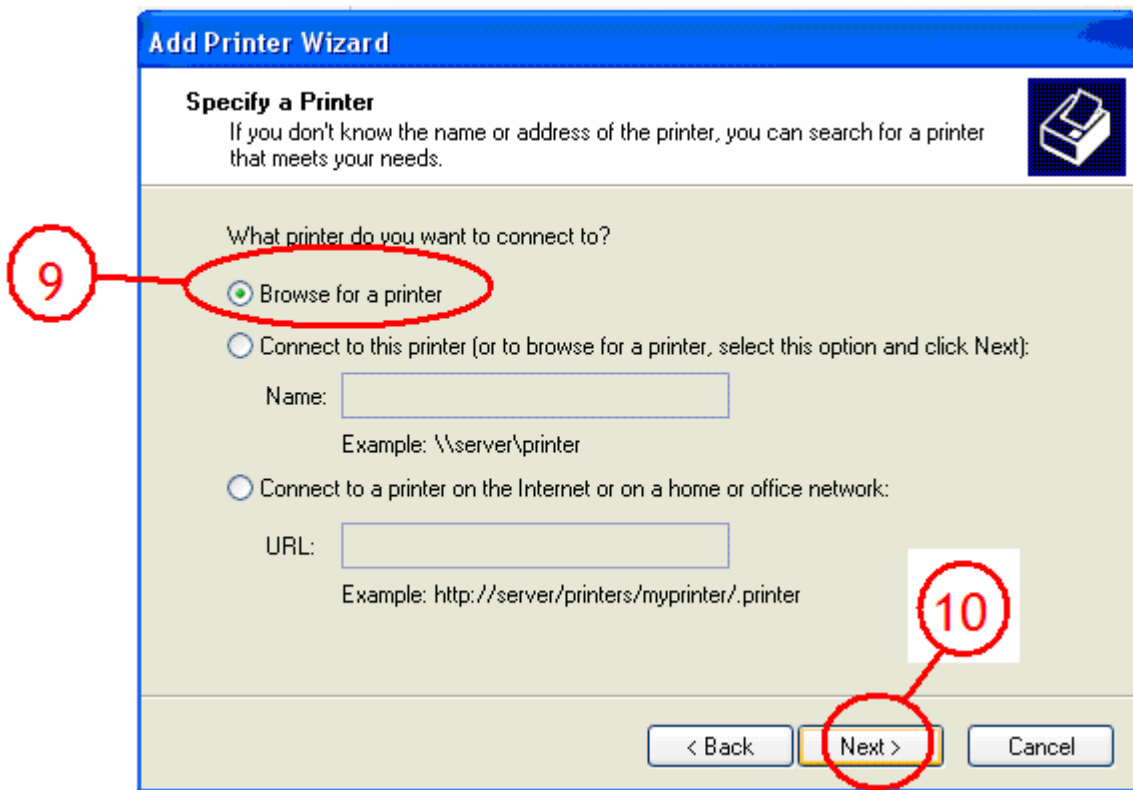
Step3. Install your Printer driver in to your computer first, (for example. if Epson PL-6200L Printer is connected to DUAL HDD NAS, you must install PL-6200L driver in to the computer which going to perform the print job. After driver installation please click "Start" → "Setting"→" Printer and Faxes" → "Add a printer"→ "Next".



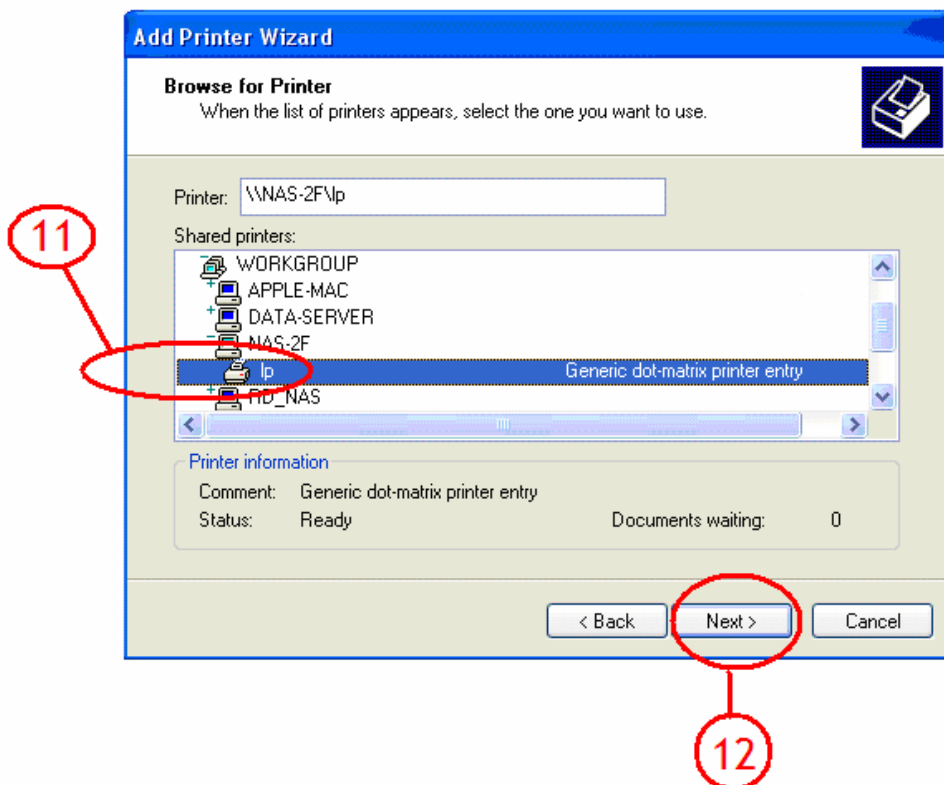
Step4. Select "A network printer or printer attached to another computer", then Click "Next".



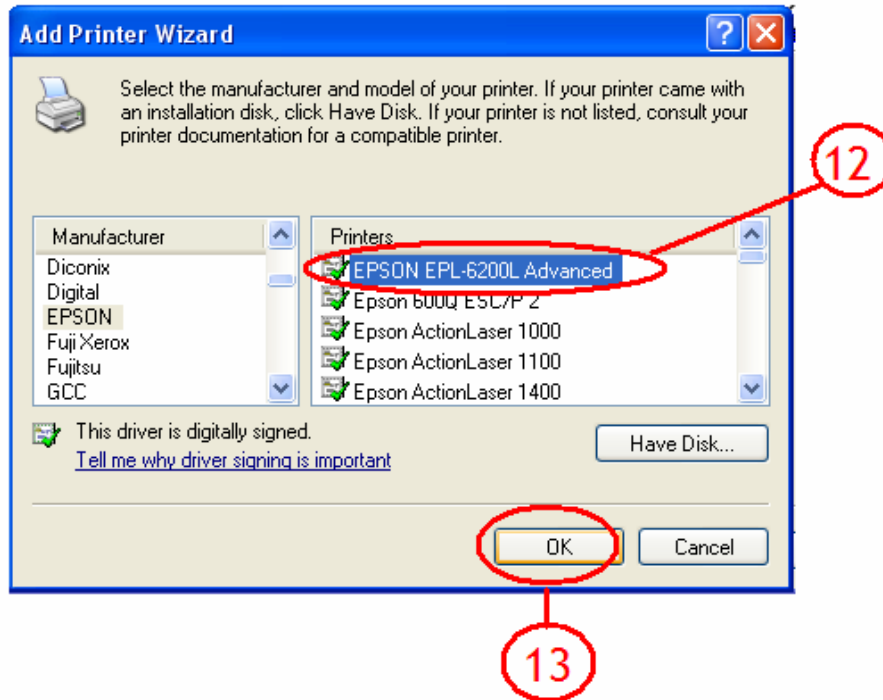
Step5. Select "Browse for a printer" than Click "Next".



Step6. Search the DUAL HDD NAS and USB Printer attached, then click "next" to browse the printer driver.



Step7. Go to Printer wizard and select the printer driver. Click "OK" to complete setup.



Managing Group/ User/Folder

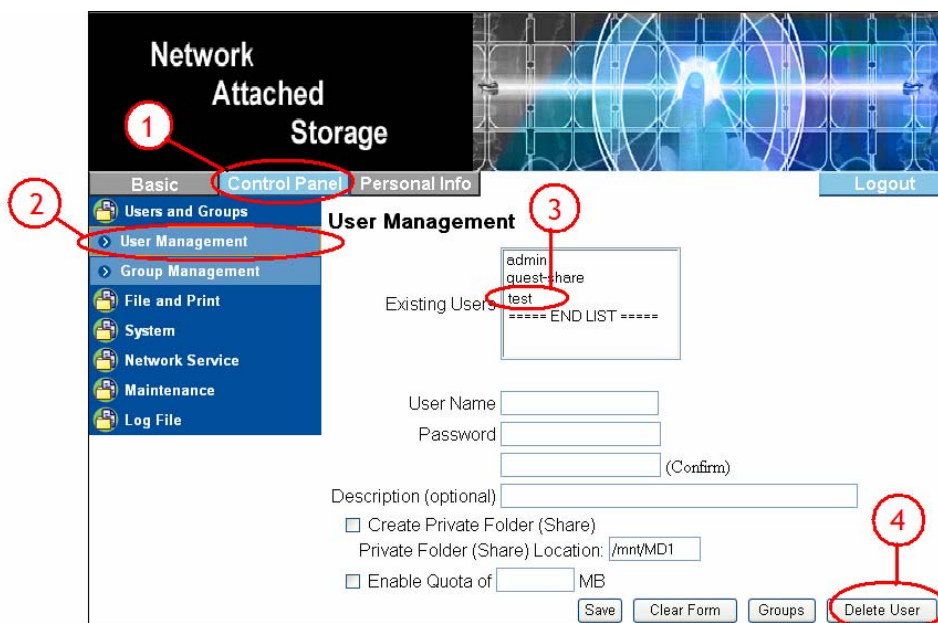
How to delete existing user/ folder?

Step1. Click "Control panel"

Step2. Click "User Management"

Step3. Select exiting user you want to delete. (e.g. test)

Step4. Click "Delete User"



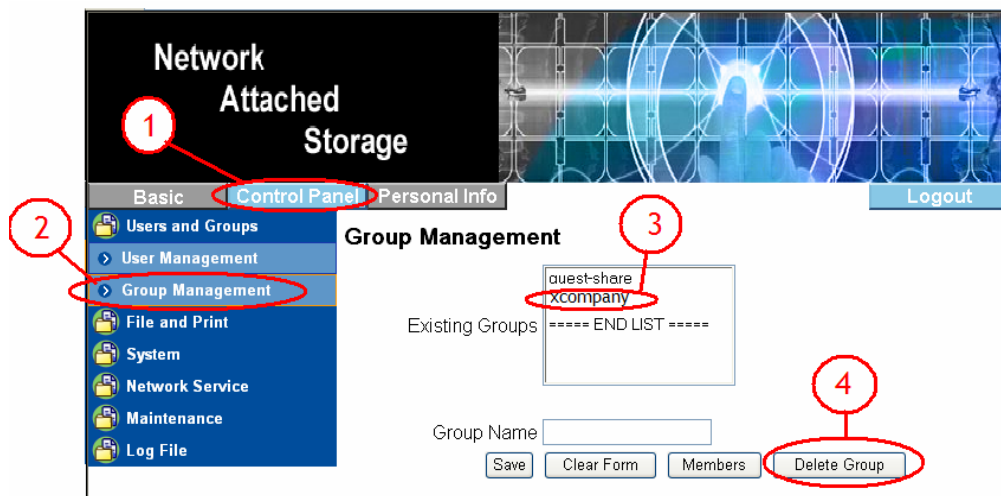
How to delete existing Group?

Step1. Click "Control panel"

Step2. Click "Group Management"

Step3. Select exiting Group you want to delete. (e.g. Xcompany)

Step4. Click "Delete Group"



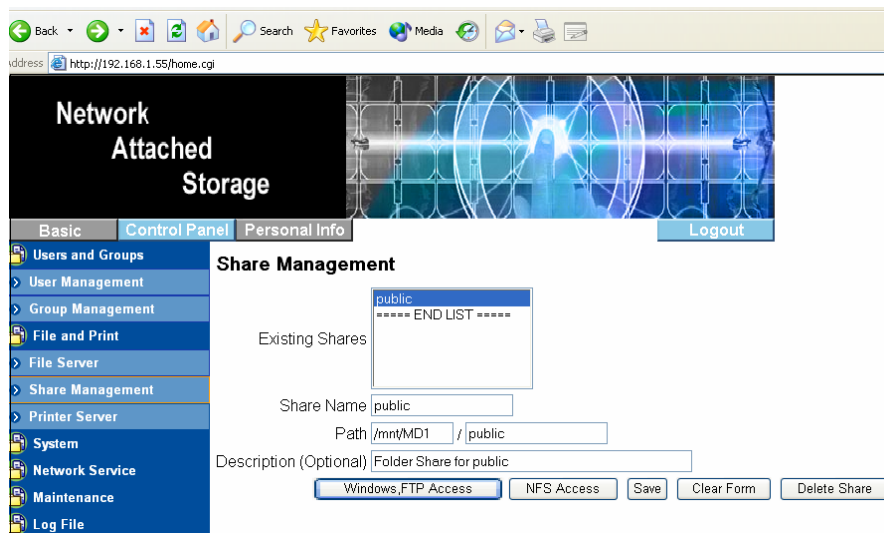
How to delete existing share?

Step1. Click "Control panel"

Step2. Click "Share management"

Step3. Select exiting Group you want to delete. (e.g. Xcompany)

Step4. Click "Delete share"



How to update Firmware?

User may download the latest firmware from internet, please store it on the desktop of your computer. Then follow the steps below.

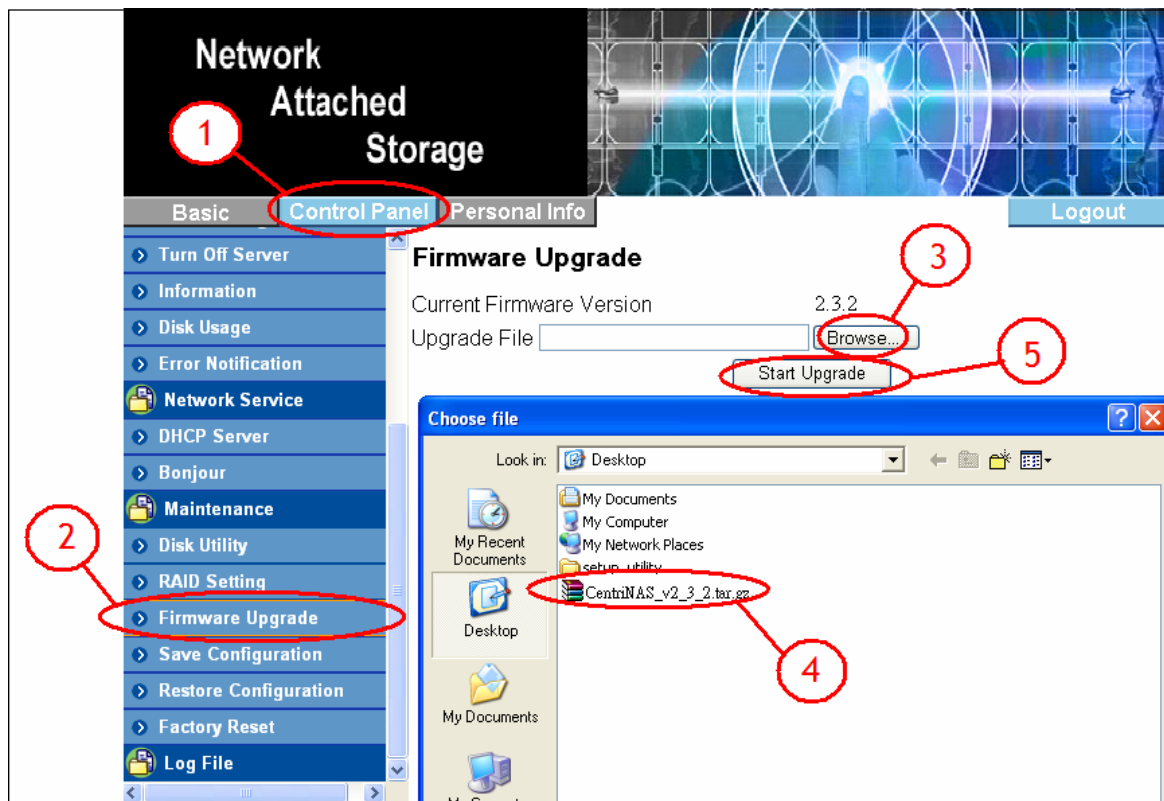
Step1. Click "Control panel"

Step2. Click "Maintenance" then "Firmware upgrade"

Step3. Click "Browse" to search for firmware from desktop.

Step4. Double-click the firmware file.

Step5. Click "Start upgrade" to update firmware.



Note:

1. Please remove/uninstall HD Drive before F/W update.
2. Never turn off your unit during the firmware upgrade procedure. This may damage your device! If for any reasons (e.g. power supply failure during firmware update) the procedure fails, you may not be able to operate your device any more.

Save Configuration

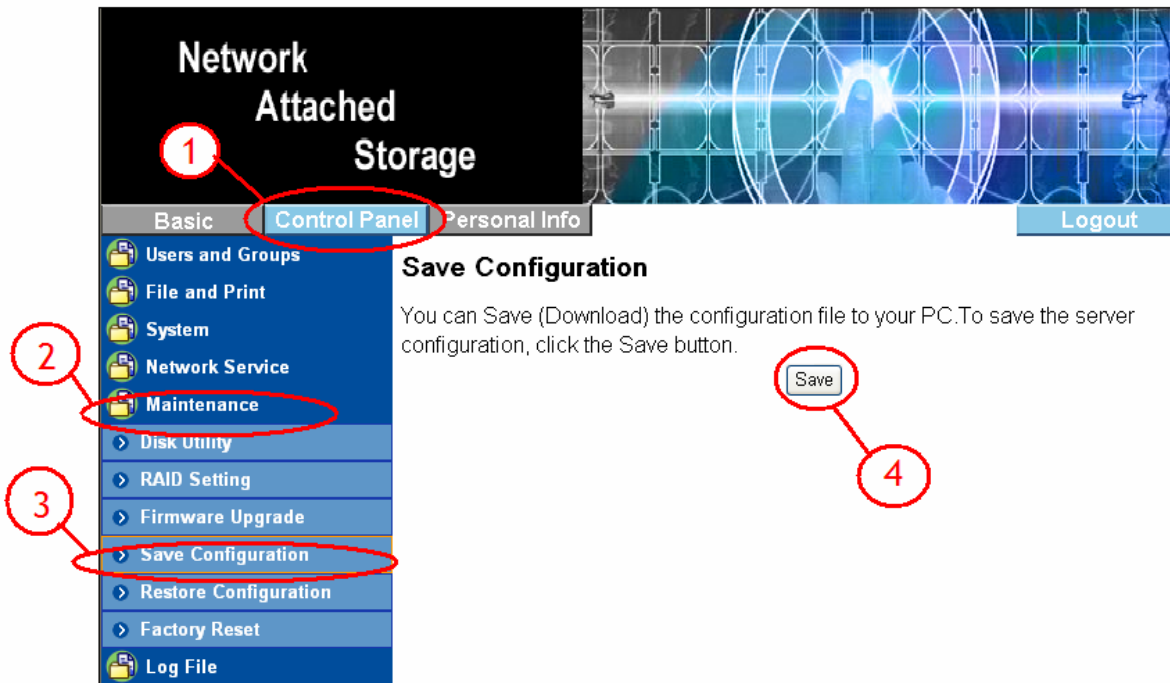
User can save (Download) the configuration file to your PC, to save the server configurations. Just follow steps below.

Step1. Click "Control panel"

Step2. Click "Maintenance"

Step3. Click "Save Configuration"

Step4. Click "Save" to save Configuration.



Restore Configuration

User may restore the configuration form computer just follow steps below.

Step1. Click "Control panel"

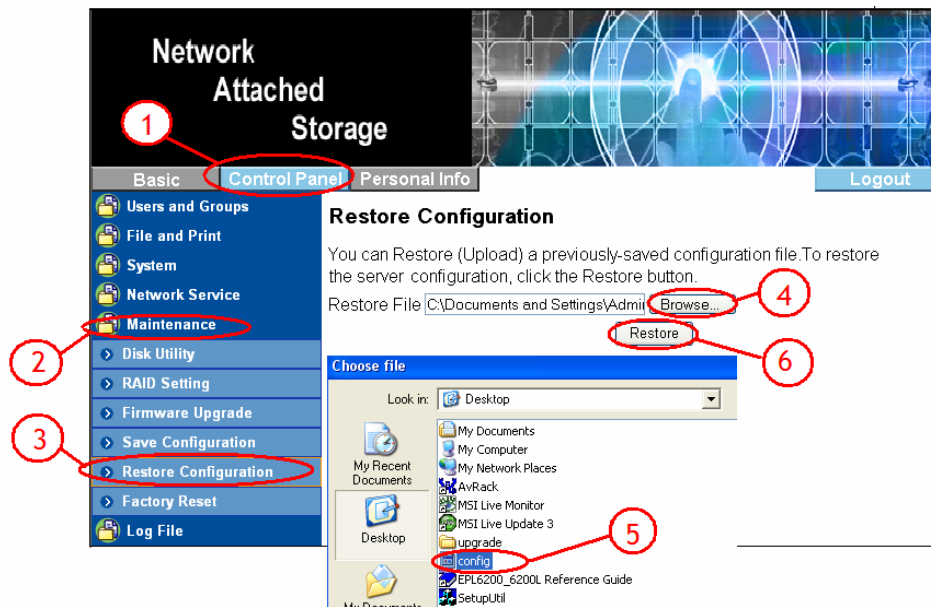
Step2. Click "Maintenance"

Step3. Click "restore Configuration"

Step4. Click "Browse" to search Configuration file form your computer.

Step5. Double Click the Firmware file.

Step6. Click "Restore" to start restore configuration.



Q&A:

Q: Why can't I access to the LAN Disk setup page?

A: Please connect the LAN Disk directly to your computer via RJ45 port. Open your web browser and key in the default IP address 192.168.1.1 Then type "*admin*" for both Account name and password to enter the DUAL HDD NAS setup page.

Q: Why can't I create/share folders in SMB or FTP server?

A: To avoid languages support issue, you are suggested to create/share folders with English characters only.

Q: Why can't I upload the files via LAN connection or got disconnected

A1: Please make sure the networking is connected properly and you have the access right (read & write) for the folders.

A2: Please make sure you have enough bandwidth for uploading large files; a complicate network environment such as too many workgroups or too many layers of network can result in network disconnection.

Q: How to reset the LAN Disk

A: Please press the reset button for 5 seconds and the LAN Disk will start to reset to factory default setting.

Q: How can I reduce the noise of the LAN Disk??

A: Make sure the hard drive/case/fan are properly screwed without interference and put on the foot stickers on case.

Q: Why WinXP can not enter SMB folder with password via DUAL HDD NAS?

A: Please update WinXP to SP2 or above. After update, please make sure if you have installed Norton Internet Security. If you do, please check with Norton service center.

Q: What is DUAL HDD NAS default login name and password?

A: Our DUAL HDD NAS default Login name: admin , default password: admin.

Q: How do I access DUAL HDD NAS via the Internet ?

A: If your DUAL HDD NAS is using a public IP, please perform the following steps.

1. Enter the management web base of DUAL HDD NAS and go to the FTP Server page to enable FTP Status.
2. Create User account and limits of authority.
3. Open Microsoft Internet Explorer or other FTP software, and enter DUAL HDD NAS's IP address in the address field (ftp://DUAL HDD NAS IP).

Q: Why FTP can not link to DUAL HDD NAS or show link time out when using IE?

A: Due to IE FTP do not compatible with Router, suggest user to use FTP software to start with. If you would like to use IE FTP to link DUAL HDD NAS, please refer to following steps.

1. Please open port 21 and 20 on Router and link to DUAL HDD NAS.
2. Open IE > Tool > Internet Options
3. Don't tick "Enable folder view for FTP site" and click "OK"

Q: What is the limitation of user on DUAL HDD NAS FTP, Samba and account mode?

A: There are following limitations.

1. Maximum user number: FTP: 8 User, Samba: 8 User (total 24 sessions at the same time).
2. FTP Server: Maximum is able to create 32 user accounts, 8 user account connect at the same time, and maximum 16 folders shared by one account).
3. Samba Server: Share Level Access (maximum 16 folders shared by root).

Q: What can DHCP do as well with DHAL HDD NAS?

A: You can setup DUAL HDD NAS as a DHCP server when it is no any other DHCP Server exist in your LAN, otherwise, DUAL HDD NAS will automatically turn off its DHCP server function and become a DHCP client of existing DHCP Server. For example, if you have installed a router with built-in (activate) DHCP Server, DUAL HDD NAS will automatically setup itself as DHCP client.

Q: Does DHAL HDD NAS support Hard disk Power Management?

A: DHAL HDD NAS uses standby mode for power management (Sleep time), if there is no any activity ranging 5-60 min. You can go to web base > Disk Utility > Set Sleep Time function (0 to disable function, range 5-60 to enable function).

Q: What is the protocol of network file sharing system using by DUAL HDD NAS?

A: DUAL HDD NAS has the built-in Samba Server for file sharing, it is using SMB (Server Message Block) protocol to integrate TCP/IP, NETBUEI and IPX/SPX protocol. In other words, if the client PC that can support TCP/IP, NETBUEI or IPX/SPX, it will be compatible with DUAL HDD NAS. You can also use the built-in FTP Server for file sharing with Internet client.

Q: Why My USB Printer can not be detected by the NAS Printer server?

A: The NAS Printer server does not support GDI/Host-based printers. For some Multi Function Printers (MFP); scanning functions might not be functional probably. Please contact Printer Manufacture for detail Specifications.